

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 October 2003 (16.10.2003)

PCT

(10) International Publication Number  
**WO 2003/085460 A3**

(51) International Patent Classification<sup>7</sup>: **G04B 19/22**

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/EP2003/050082

(22) International Filing Date: 26 March 2003 (26.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
1020299 4 April 2002 (04.04.2002) NL

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant and

(72) Inventor: VAN SELST, Albert [NL/NL]; Karl Zellersträat 16, NL-5144 TH Waalwijk (NL).

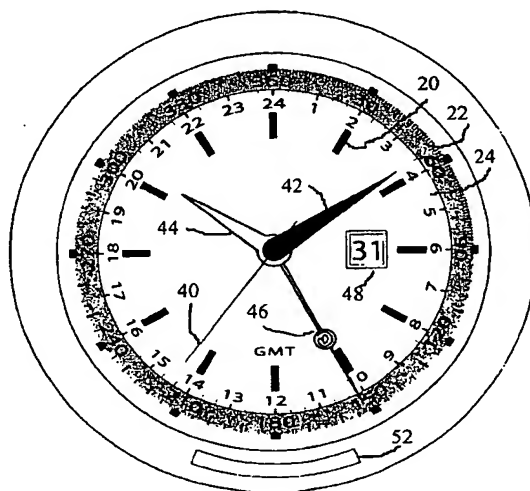
(74) Agent: SMEETS, Eugenius T., J., M.; Octrooibureau Smeets, Poelhekkelaan 16, NL-5644 TN Eindhoven (NL).

(88) Date of publication of the international search report:  
27 May 2004

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WORLD CLOCK



(57) Abstract: A clockwork comprises at least one first pointer (40, 42, 44) and a second pointer (46) and is designed for indicating a local time by means of a circular pointer movement over a dial, and further comprises a drive mechanism coupled to the pointers. In particular, a pointer arrangement is present comprising said at least one first pointer (42) and indicating local time with a slowest-period of revolution of twelve hours and one or several further pointers (40, 44) coupled thereto and having shorter periods of revolution, such as minute and/or second hands. Furthermore, the second pointer (46) indicates a world time with a period of revolution of twenty-four hours, cooperating with a scale (22) of which the number of graduations preferably denoted "turnes", is a multiple of 24. In a preferred embodiment, the second pointer (46) cooperates with a scale (22) comprising 360 degrees or graduations. The clockwork may be constructed as a watch, but it may alternatively be used to advantage elsewhere, for example on monitor screens of PCs and mobile telephones.

BEST AVAILABLE COPY

WO 2003/085460 A3

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50082

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G04B19/22

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 14 641 A (BONE PIERRE) 15 January 1898 (1898-01-15)	1-6
A	the whole document	7
A	GB 846 436 A (BATORI COMP COMPANY INC; NARDIN ULYSSE SA) 31 August 1960 (1960-08-31) page 1, line 40 - line 47 figures	1
A	DE 19 05 047 A (PFORZHEIMER UHREN ROHWERKE) 6 August 1970 (1970-08-06) the whole document	1
A	US 2 268 239 A (BRAATEN ARTHUR M) 30 December 1941 (1941-12-30) page 3, line 19 - line 53 figures	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the International filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the International search

31 March 2004

Date of mailing of the International search report

06/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Lupo, A

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50082

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 14641	A	15-01-1898	NONE	
GB 846436	A	31-08-1960	NONE	
DE 1905047	A	06-08-1970	DE 1905047 A1 FR 2030236 A5	06-08-1970 13-11-1970
US 2268239	A	30-12-1941	NONE	